



# Update 2013

## Integrated Water Management Finance Plan

*Prepared for:*  
*California Water Plan Finance Caucus*



*October 26, 2011*

# Purpose of Today's Meeting

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- Where we have been
- Review final draft of storyboard
- Begin developing IWM benefit definitions
- Develop common understanding of approach for identifying IWM activities (Component 2)





# Update 2013 Finance Plan

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*Recap of Work To Date*

***Agenda Item 2***

# Update 2013 Finance Plan

## Where we have been

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- **Coalesced around draft storyboard** (with minor revisions to be presented today)
  - Useful blueprint for content
  - Logical flow of information
- **Identified IWM benefits as an expression of the scope of the Finance Plan**
- **Developed categories of IWM activities to be included in the Finance Plan**

# Storyboard Components

- ❑ Scope and Outcomes
- ❑ Activities
- ❑ Existing Funding
- ❑ Funding Sustainability
- ❑ State Role and Partnerships
- ❑ Future Costs
- ❑ Funding Whos and Hows
- ❑ Trade-offs





# Storyboard – What has changed?

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- Recasted “Steps” as “Components”
- Added paragraph describing assumptions about ability and willingness to pay for future activities
- Documented work from last Caucus meeting
  - Benefits
  - Activity Categories
- Rephrased Component 8

# Storyboard – Next steps

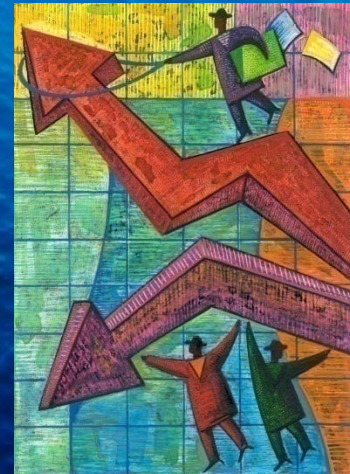
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- Prepare final draft based on input from this meeting
- “Final” storyboard will not be prepared
- Utilize storyboard as a guiding template for agreed upon content and flow of information (i.e. story)
  - Ensure that finance plan framework follows the scope and speaks to each component

# Proposed Scope of IWM Finance Plan

## Types of Benefits – Component 1

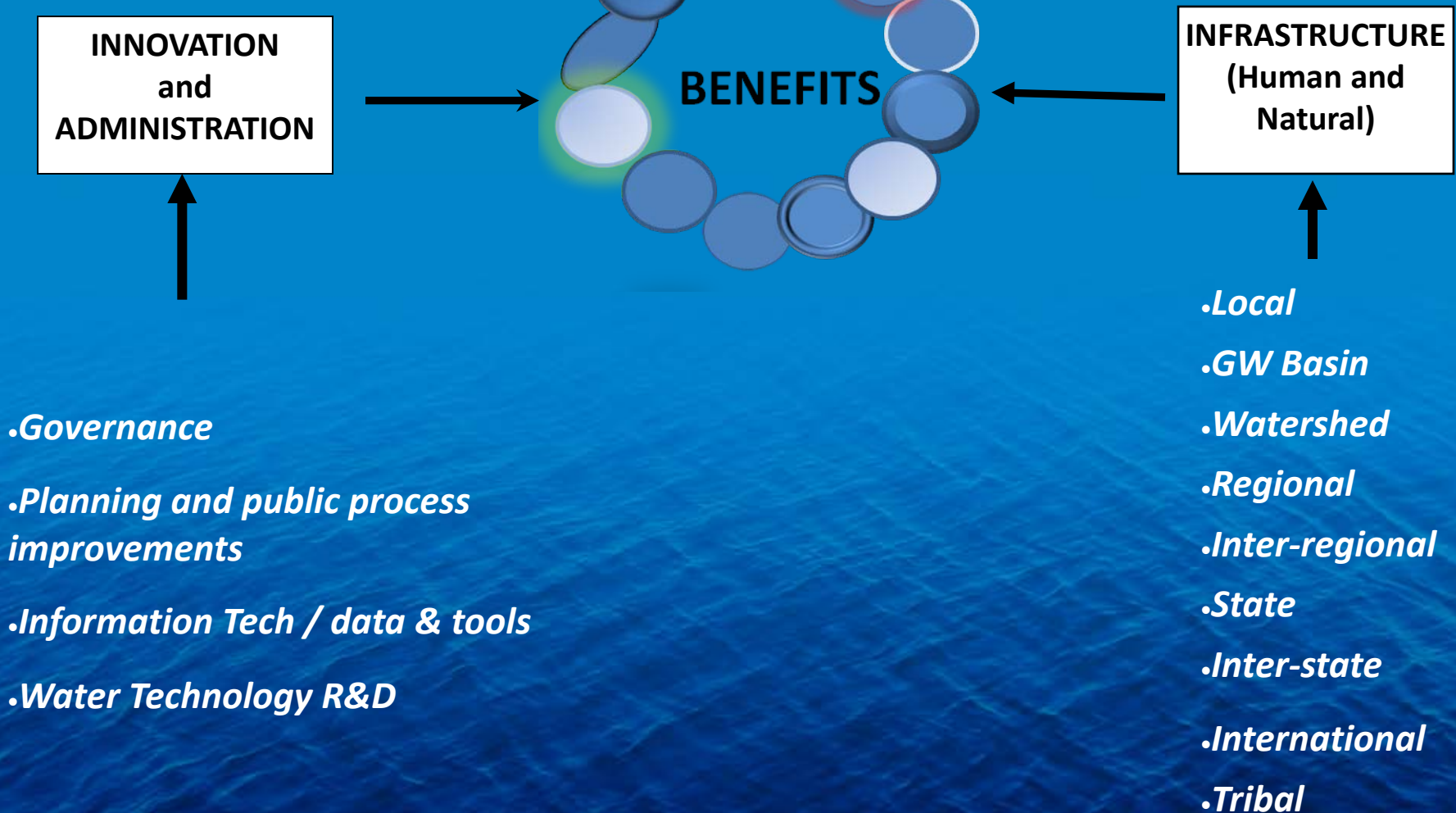
- ❑ Drought Preparedness
- ❑ Energy Benefits
- ❑ Water Quality
- ❑ Water Supply and Supply Reliability
- ❑ Flood Impact Reduction
- ❑ Food Security
- ❑ Operational Flexibility
- ❑ Recreation
- ❑ Groundwater Overdraft Reduction
- ❑ Climate Change Risk Reduction
- ❑ Environmental
- ❑ Fire Risk Reduction
- ❑ Affordability





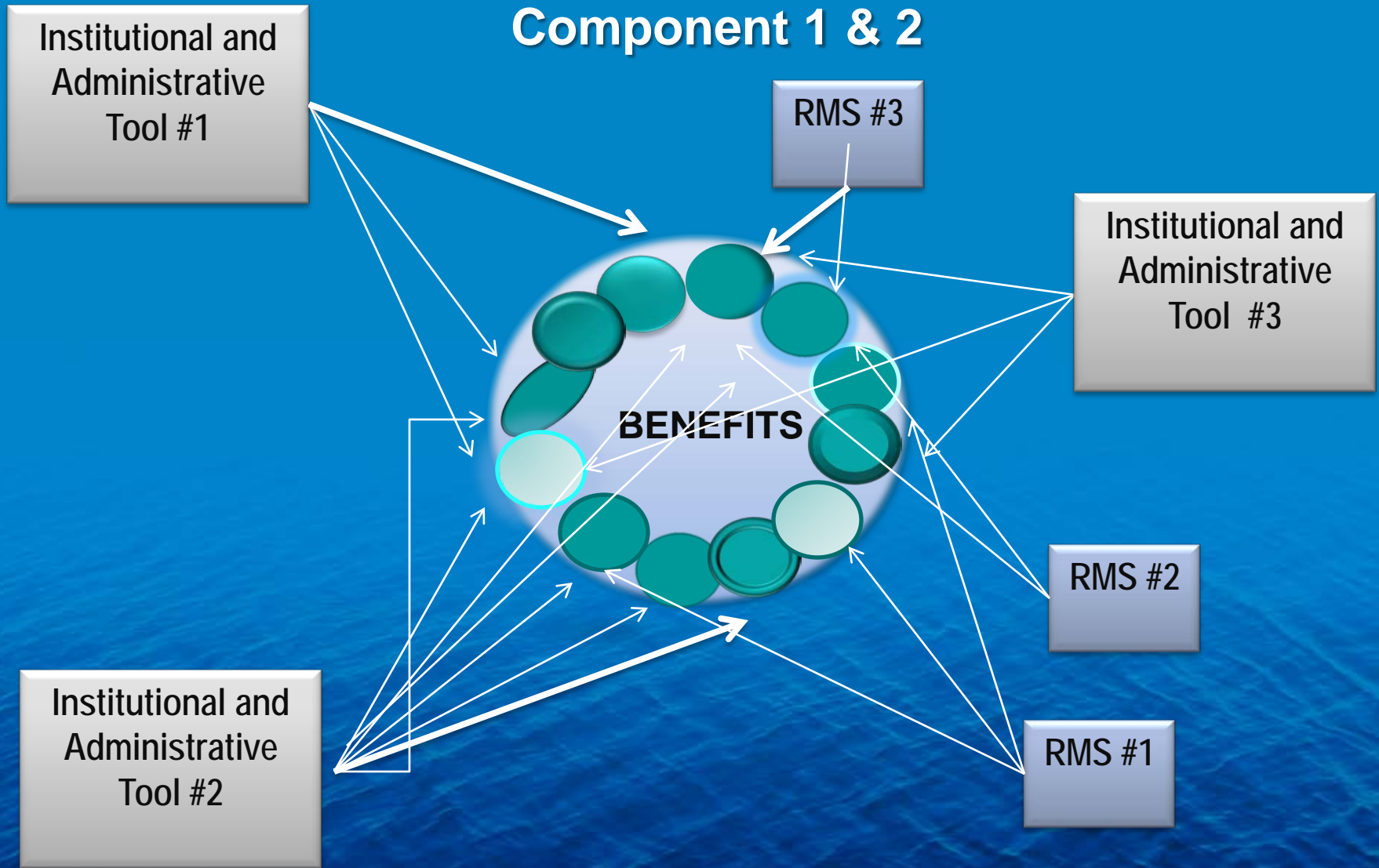
# Categories of IWM Activities Required to Generate Integrated Water Management Benefits

## Component 2



# Linkages Between Benefits and Resource Management Tools

## Component 1 & 2



# Update 2013 Finance Plan

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*Benefit Definitions*

*Agenda Item 3*



# Defining IWM Benefits

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- Sets boundaries on what activities the Finance Plan will fund. Not an open-ended wishlist.
- If an activity leads to IWM benefit, it can be included in the Finance Plan
  - Building a water treatment plant leads to Water Quality

**YES!**

- Adult literacy doesn't match to an IWM benefit

**NO!**

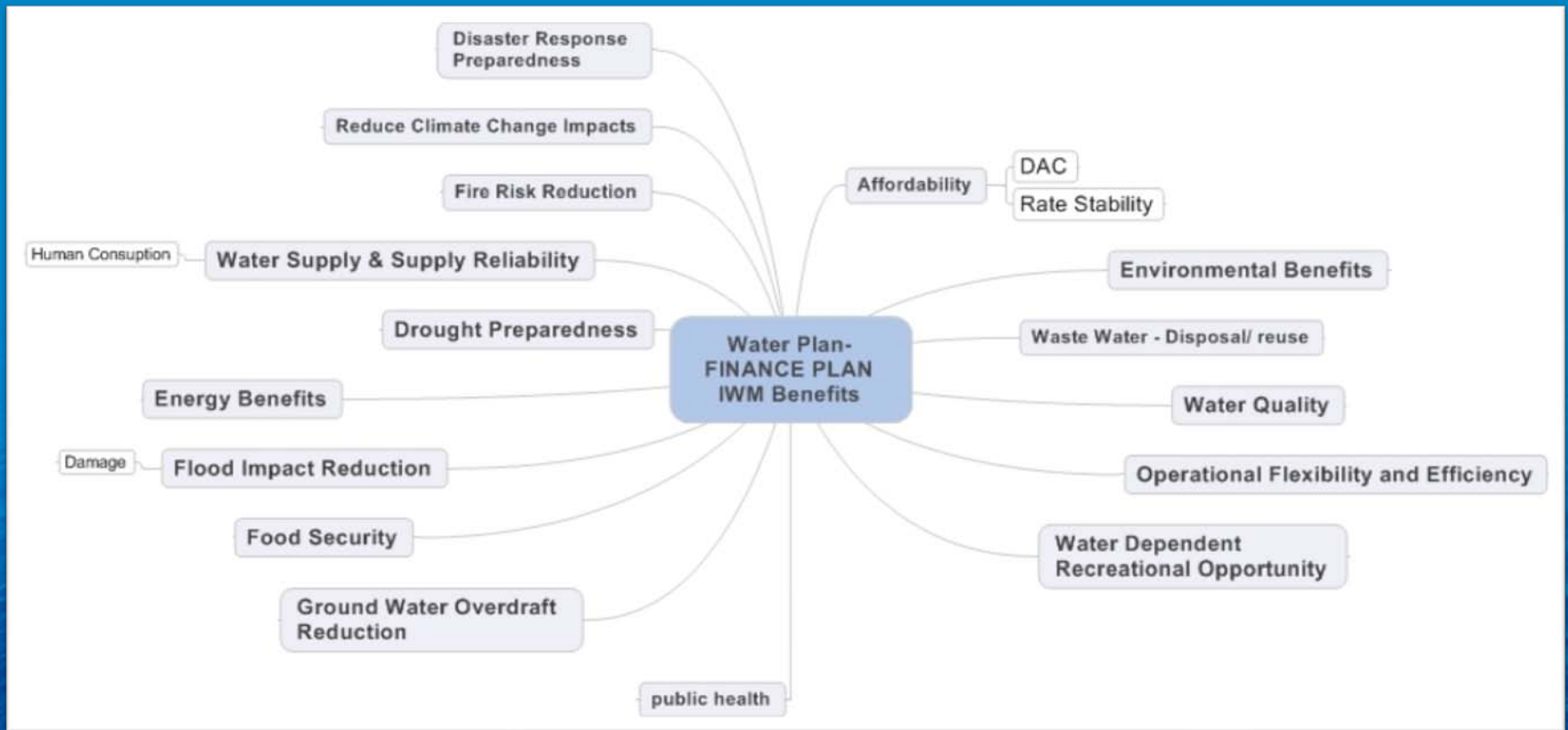
# Potential IWM Benefits – where they came from

- Started with the headers of the 2009 Update RMS tables.

Potential Strategy Benefits <sup>1</sup>							
Improve Drought Preparedness	Improve Water Quality	Operational Flex & Efficient	Reduce Flood Impacts	Environmental Benefits	Energy Benefits	Recreational Opportunities	Reduce GW Overdraft
							

- State Agency Steering Committee added a couple.
- The Finance Caucus brainstormed additional benefits.

# Mindmap of Potential IWM Benefits





# Potential IWM Benefits

- Reduce Climate Change Impacts
- Fire Risk Reduction
- Water Supply and Supply Reliability
- Drought Preparedness
- Energy Benefits
- Flood Impact Reduction
- Environmental Benefits
- Affordability
- Food Security
- Groundwater Overdraft Reduction
- Public Health
- Water Dependent Recreational Opportunity
- Operational Flexibility and Efficiency
- Water Quality
- Waste Water

# Definitions SubCommittee, Activate!

- Meet in November
- Refine brainstorming/mindmap
- Define each IWM Benefit in a way that includes and excludes eligible activities
- Thank you very much.

# Update 2013 Finance Plan

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## *Process for Identifying IWM Activities*

### *Agenda Item 4*



# Implementing Component 2

## Identifying IWM Activities

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### COMPONENT 2 — IWM ACTIVITIES

What IWM activities must occur to generate targeted benefits?

# Identifying IWM Activities Implementing Component 2

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## Process Flowcharts

- 1) Process for Recommending State Investment in IWM Activities
- 2) State Government Activities
- 3) Regional IRWM Activities
- 4) Update 2013 Investment Recommendations



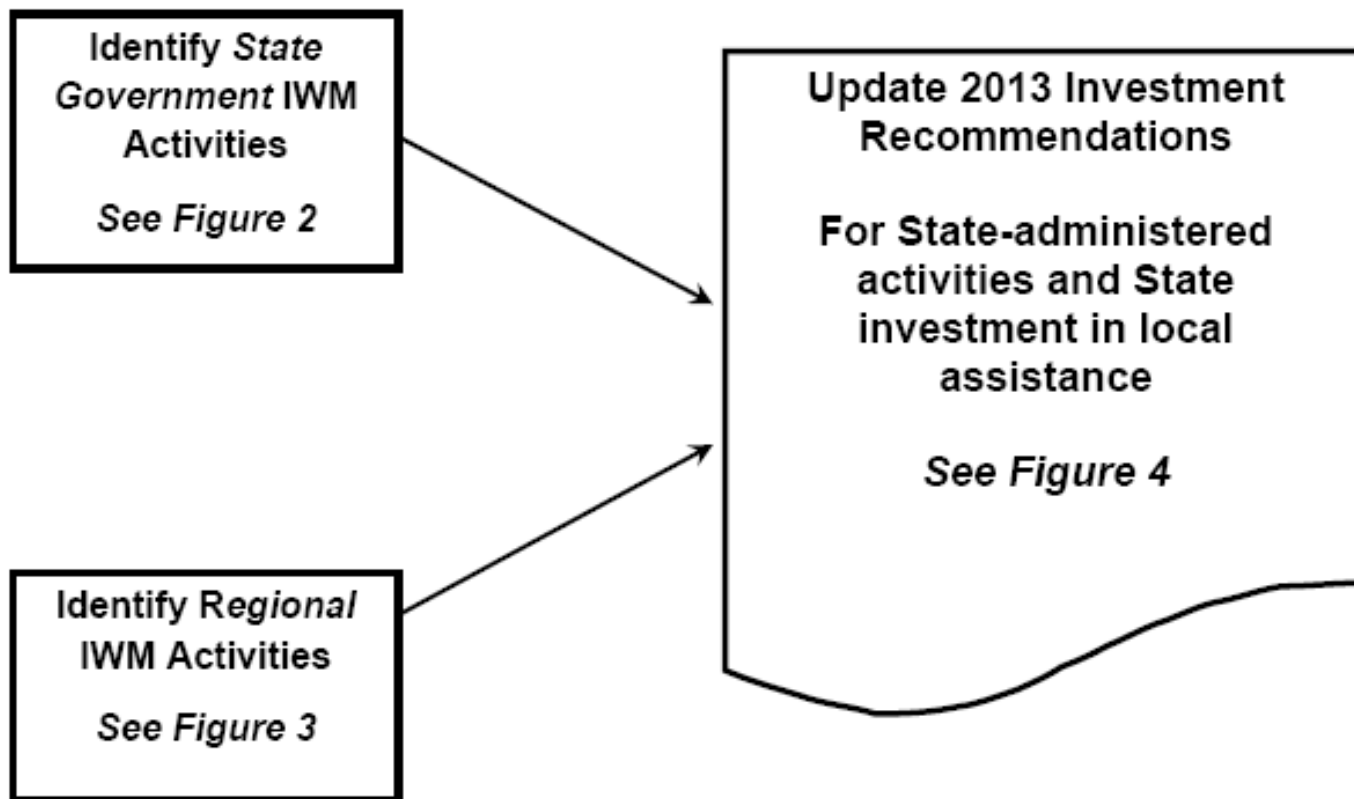
## Supporting Narrative

Process for Identifying State and Regional IWM Activities

# Identifying IWM Activities

## Figure 1

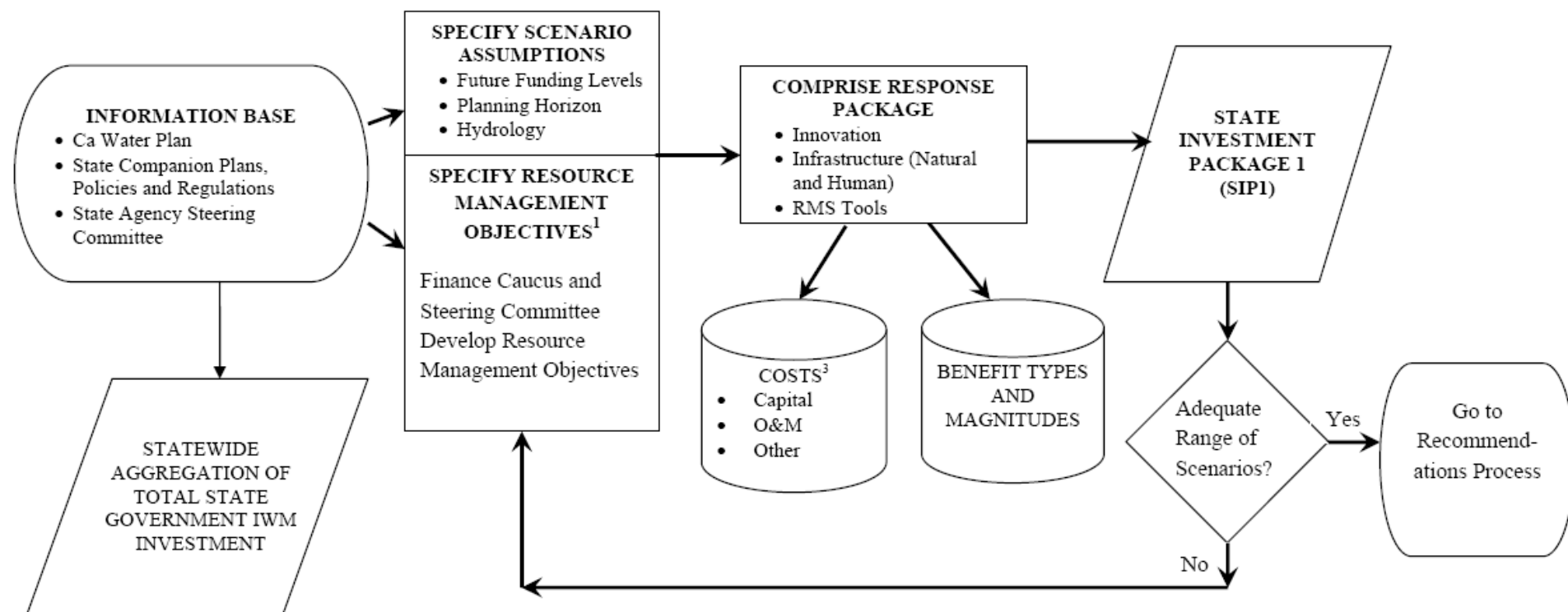
**Process for Recommending State Investment  
in Integrated Water Management (IWM) Activities**  
Figure 1





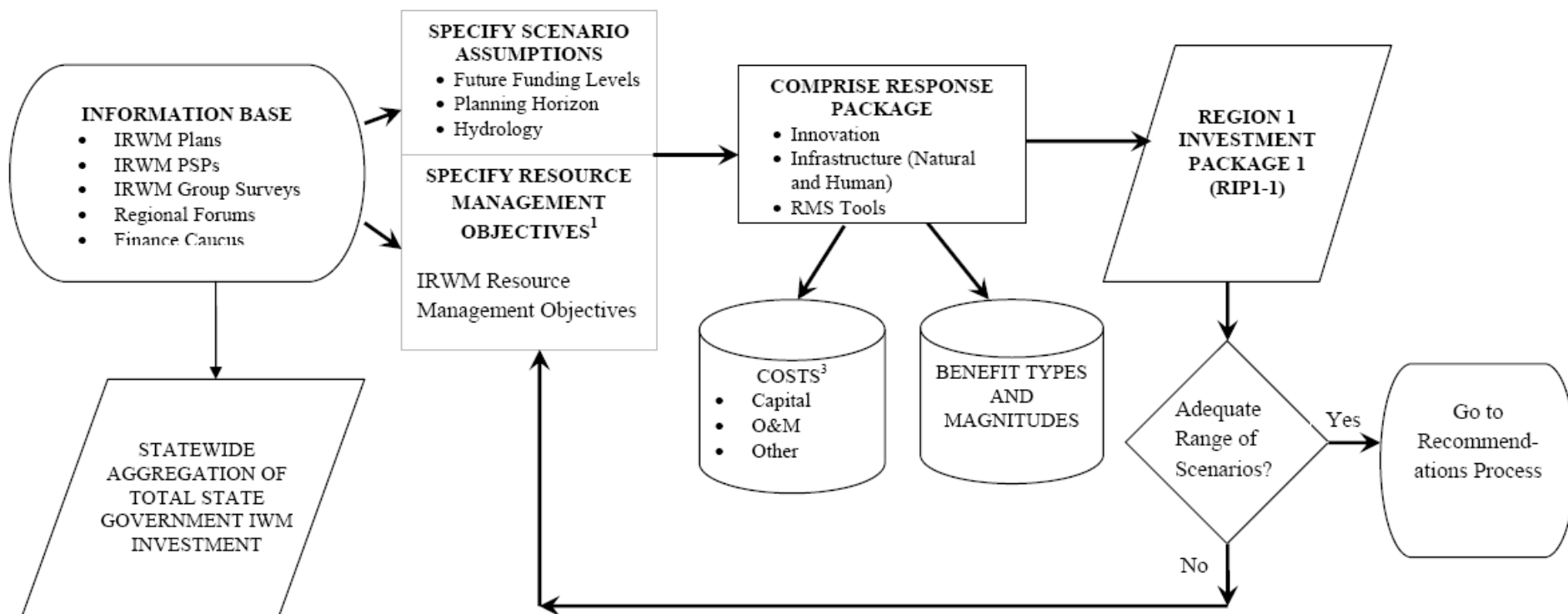
# Identifying IWM Activities

**Figure 2 - State Government Activities**  
Flowchart for Component 2 of the Finance Plan Storyboard



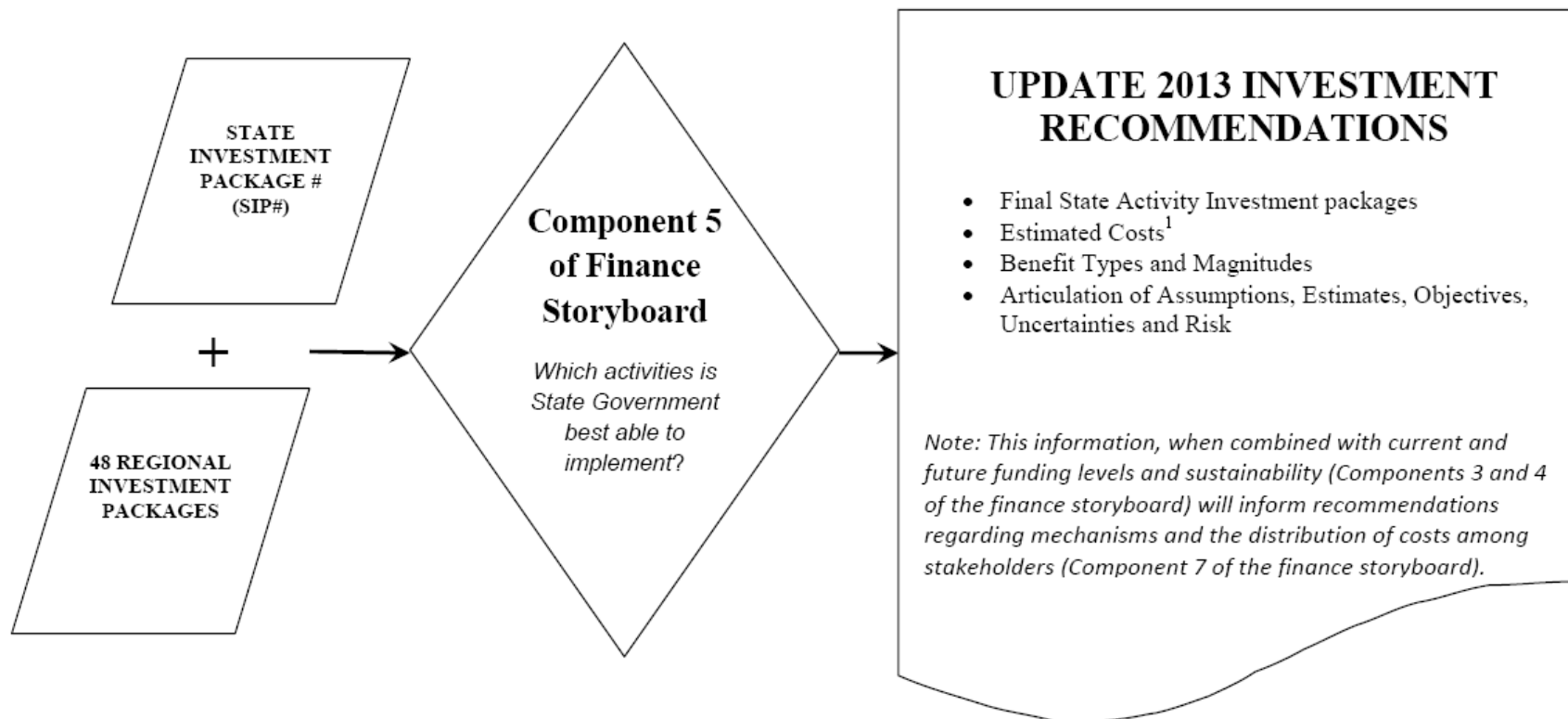
# Identifying IWM Activities

**Figure 3 - Regions' Integrated Regional Water Management Activities**  
Flowchart for Component 2 of the Finance Plan Storyboard



# Identifying IWM Activities

**Figure 4 - Update 2013 Investment Recommendations Process**  
(State-Administered Activities; including Local Assistance)  
**Flowchart for Component 2 of the Finance Storyboard**

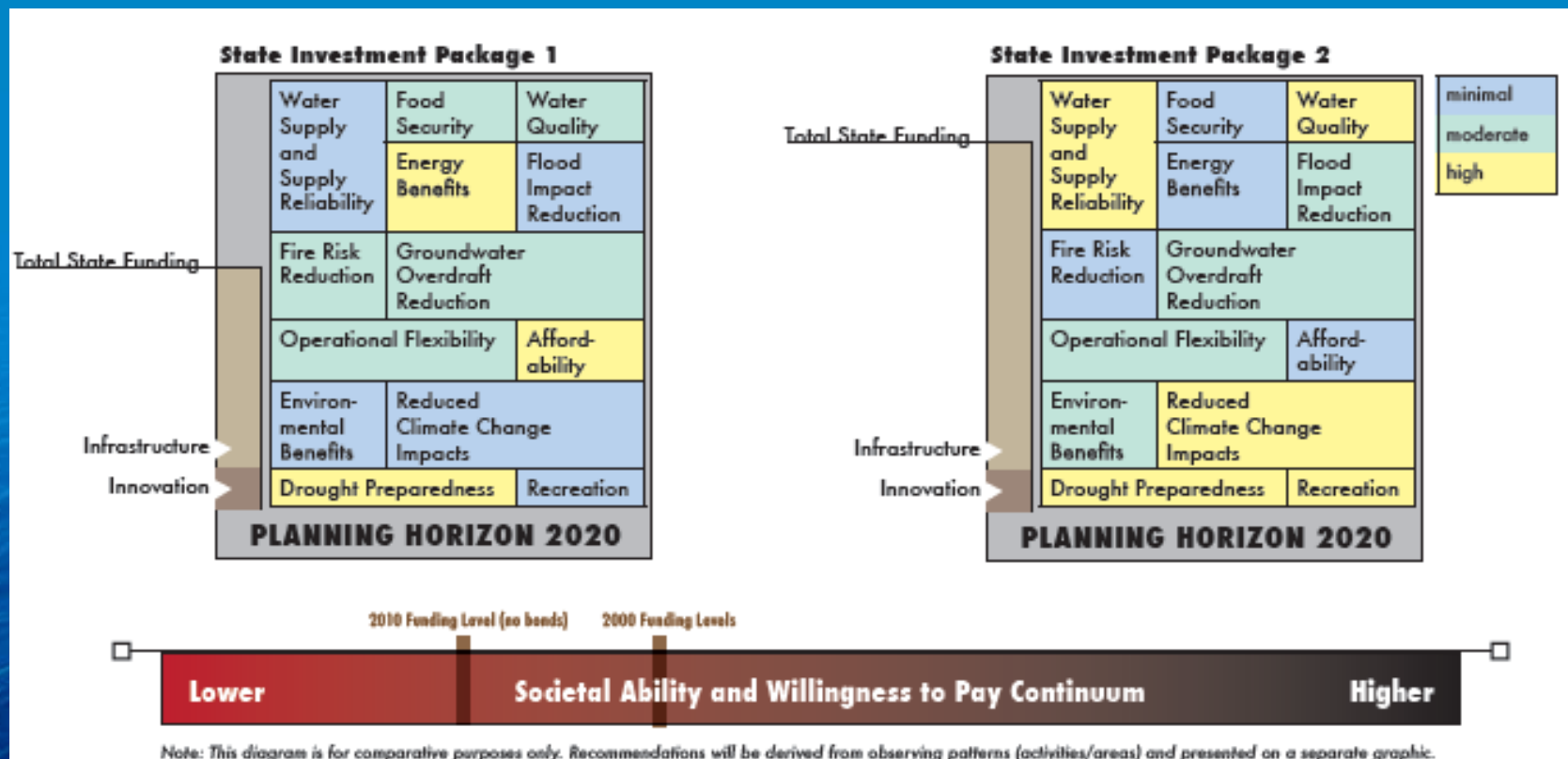




# Identifying IWM Activities

## Figure 5

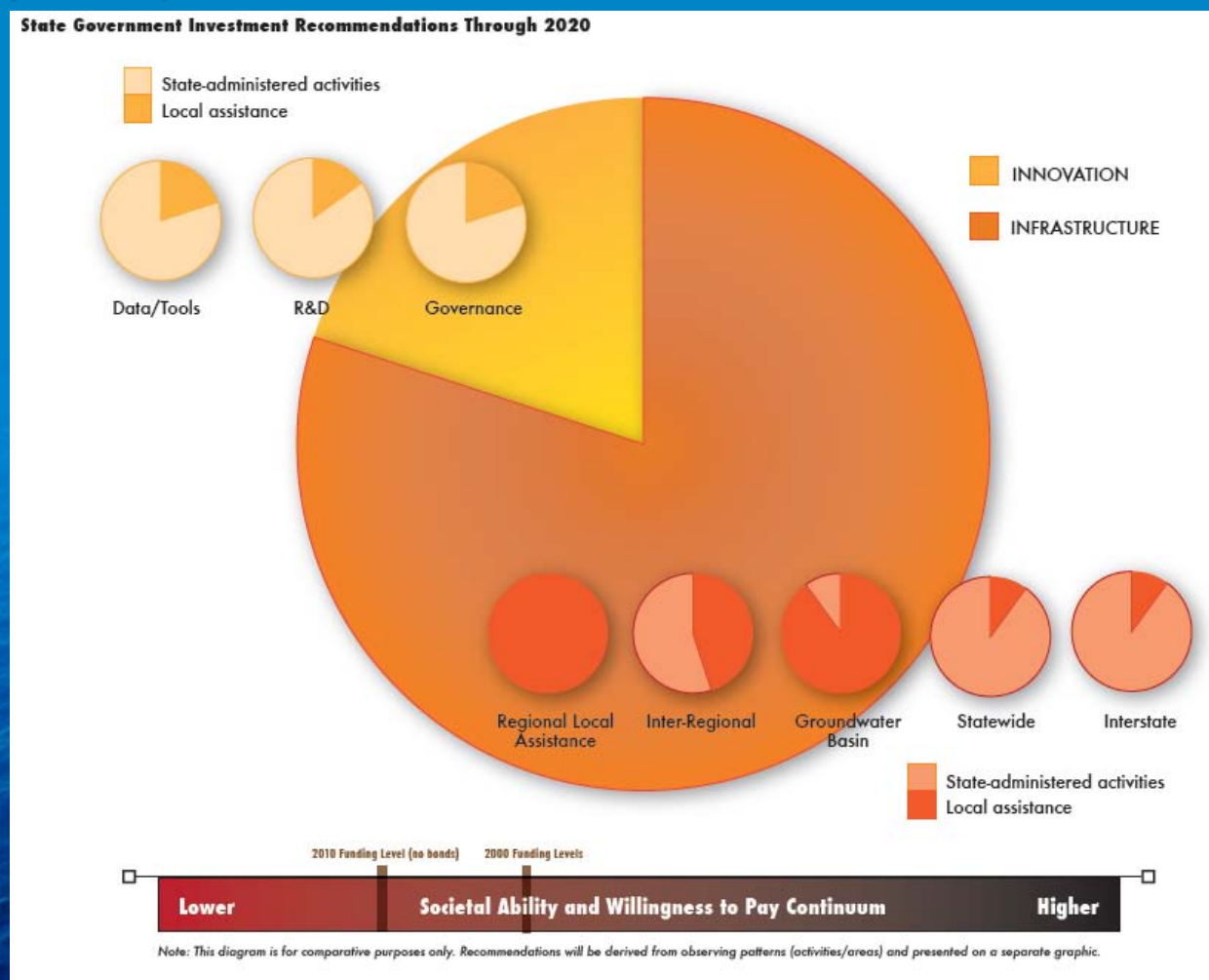
Sample Output for Alternative State Investment Packages for Deliberative Purposes



# Identifying IWM Activities

## Figure 6

### Sample Output for State Government Investment Recommendations



# Update 2013 Finance Plan

## *Questions for Finance Caucus*

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1. What should we add to make this approach more useful for developing Update 2013 funding recommendations?  
*(e.g. additional base information sources, flowchart steps, output reporting metrics, etc)*



# **Update 2013 Finance Plan**

## ***Next Steps***

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- **Begin compiling Information Base**
  - **IRWM group coordination**
  - **State Agency Steering Committee**
- **Develop tool for capturing and linking assumptions, objectives, data and outputs**
- **Test tool with sample IRWM Plan and State Agency Steering Committee activity information**
- **Begin forming response packages**
- **Develop approaches for implementing other components**